1-20. (Canceled)

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IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 21. A method for providing printer recognition and (Previously Presented) 2 management of a print job entity, comprising: 3 establishing a repository of attributes and status information associated with each 4 print job that passes through a printer system; 5 providing an interface to a plurality of components to allow access to the attributes and status information in the repository by the plurality of components; and 6 7 establishing a job monitor for managing the repository of attributes and status 8 information associated with each print job, for responding to a call by a printer component and for managing interactions between printer components in order to control the processing 9 10 of the job.

1 22. (Previously Presented) An apparatus for providing printer recognition 2 and management of a print job entity, comprising: 3 a repository of attributes and status information associated with each print job that 4 passes through a printer system; 5 an interface to a plurality of components, the interface providing access to the 6 attributes and status information in the repository by the plurality of components; and 7 a job monitor for managing the repository of attributes and status information associated with 8 each print job, for responding to a call by a printer component and for managing interactions 9 between printer components in order to control the processing of the job. . 1 23. (Previously Presented) The apparatus of claim 22, wherein the interface provides an ability for components to process a job according to requirements of the 2 component and reports job attributes and processing status of the job for common access by 3 4 other components. 1 24. (Previously Presented) The apparatus of claim 22, wherein the interface 2 provides a component access to common variables, the components presenting job attributes 3 or status to the interface. 1 25. (Previously Presented) The apparatus of claim 22, wherein the a 2 repository and interface are provided by a job monitor, the job monitor further providing 3 logical views to obtain a next job to be processed by a component and to obtain a list of all 4 jobs in the order that they are processed.

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1	26.	(Previously Presented)	The apparatus of claim 22, wherein the job		
2	monitor is used to update attributes of print jobs.				
1	27.	(Previously Presented)	The apparatus of claim 26, wherein the job		
2	monitor determines a next job to process, the component determining valid states for a call.				
1	28.	(Previously Presented)	The apparatus of claim 27, wherein the job		
2	monitor includes a multiplexor, and wherein the valid states for a multiplexer further				
3	comprise:				
4	an unknown state for when a job identification is requested; and				
5	a pull print queue state for the job when the job is stop-flowed at a port connection				
6	manager waiting for access to the printer because a print engine is processing another job;				
7	wherein the multiplexer receives the job and selects to place the job in a job must be				
8	spooled state, a may spool state or must print state.				
1	29.	(Previously Presented)	The apparatus of claim 28, wherein the		
2	multiplexer routes the incoming job to the print engine or the spooler according to which				
3	becomes available first when the job is a job that may spool.				
1	30.	(Previously Presented)	The apparatus of claim 22 further comprising a		
2	spooler				

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- 1 31. (Previously Presented) The apparatus of claim 30, wherein the spooler 2 receiving a job identification request, enters a not spooled state when the spooler has not yet 3 processed the job, enters a spooling, can despool state when the job is being written to the 4 spool device thereby allowing the job to be selected for despooling at any time, enters a 5 spooling, despooling state when the job is being written to the spool device and is also being 6 read from the spool device, enters a waiting to despool state when the end of the job has been 7 received, enters a despooling state when the job is being read from the spool device and 8 written to the multiplexer and enters the done state when the job is finished being processed 9 by the spooler.
- 1 32. (Previously Presented) The apparatus of claim 22 further comprising an 2 interpreter.
- 1 33. (Previously Presented) The apparatus of claim 32, wherein the
 2 interpreter enters a waiting for data state when job processing by the interpreter has started,
 3 enters an interpreting state when the job is being processed by the interpreter and enters a
 4 done state when the job is finished being processed by the interpreter.
- 1 34. (Previously Presented) The apparatus of claim 22, wherein the a
 2 repository and interface are provided by a job monitor, the job monitor further handling
 3 incoming jobs with a port connection manager, wherein the port connection manager calls to
 4 a multiplexer to process the job.

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- 1 35. (Previously Presented) The apparatus of claim 22, wherein the a
 2 repository and interface are provided by a job monitor, the job monitor further deciding
 3 whether to assign a job to the printer, whether to assign a job to a spooler, whether the job
 4 must wait for available resources or whether the job cannot be processed.
- 1 36. (Previously Presented) The apparatus of claim 22 further comprising a 2 job monitor to fetch jobs in an order that is dependent upon the calling component.
- 1 37. (Previously Presented) The apparatus of claim 36 further comprising a 2 job monitor for examining process job states and variables to determine the correct response 3 and to return an appropriate job identification for a job.
- 1 38. (Previously Presented) The apparatus of claim 22 further comprising a
 2 job monitor for providing a common method of accessing the variables associated with a job
 3 for the components.

1	39. ((Previously Presented)	An article of manufacture comprising a program		
2	storage medium readable by a computer, the medium tangibly embodying one or more				
3	programs of instructions executable by the computer to perform a method for providing				
4	printer recognition and management of a print job entity, the method comprising:				
5	establishing a repository of attributes and status information associated with each				
6	print job that passes through a printer system;				
7	providing an interface to a plurality of components to allow access to the attributes				
8	and status information in the repository by the plurality of components; and				
9	establishing a job monitor for managing the repository of attributes and status				
10	information associated with each print job, for responding to a call by a printer component				
11	and for managing interactions between printer components in order to control the processing				
12	of the job.				
1	40-81. (Canceled)			